

Louisiana Office of Public Health Laboratories	
Test Name	<i>E. coli</i> Enumeration Test of Source Water Samples
PHL Location	Amite Laboratory, Central Laboratory
CPT Code	N/A
Synonyms	LT2
Brief Description of Test	The enumeration of <i>E. coli</i> in source water using SM9223 (Colilert Quanti-tray 2000).
Possible Results	<i>E. coli</i> Most Probable Number (MPN)/100 ml
Reference Range	A mean of 50 <i>E. coli</i> for flowing stream and a mean of 10 <i>E. coli</i> for reservoir/lakes.
Specimen Type	Source Water
Specimen Container(s):	Sterile, disposable 7oz. Nasco Whirl-Pak bag. <ul style="list-style-type: none"> Only containers QCed and supplied by the laboratory are suitable for use. DO NOT purchase privately.
Minimum volume accepted:	120 ml
Collection Instructions	<ul style="list-style-type: none"> Collect representative sample according to established protocols. Use a Whirl-Pak bag and fill leaving at least 1 inch of air space at top of container. Whirl bag to close. Do not twist tabs together.
Storage and Transport Instructions	Store & transport sample(s) in clean iced cooler(s). Samples must be at <10°C when received. Maximum holding time is 30 hours.
Causes for Rejection	<ul style="list-style-type: none"> Sample >30 hours old. Frozen water sample. No sample ID. Unsatisfactory collection container. Insufficient amount of sample. Sample container leaking. Sample information form not complete. Sample temperature <10°C upon receipt.

Limitations of the Procedure	Not suitable for marine water or any sample altered by any pre-enrichment or concentration.
Interfering Substances	Samples containing humic material with innate color.
References	<ul style="list-style-type: none"> • Idexx Laboratories Colilert • Colilert 18 package inserts • LA DHH-OPH Laboratory Services SOP DOLSOPDWM-01 Chromogenic Fluorogenic Substrate Method.
Additional Information	<p>Complete a Lab 8 Laboratory Request and Report Form.</p> <p>The following is required Lab 8 information:</p> <ul style="list-style-type: none"> • Sample sequence #s • Project Code • Name of Supply • Collected by (name) • PWS ID • Date/Time Collected • Type of source water • Turbidity
Release Date	11/2013
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